ABSTRACT

There is provided a catalyst for dimethyl carbonate synthesis which has a high conversion rate under the supercritical condition of CO₂ and can be handled easily.

5 The catalyst for dimethyl carbonate is obtained by loading SO₄²⁻ or PO₄³⁻ on a carrier composed of a compound having a solid acid site, and is used to produce dimethyl carbonate from acetone dimethyl carbonate and CO₂ in a supercritical state. The component having a solid acid site is

10 preferably one or more of ZrO₂, Al₂O₃, and TiO₂.